

Title (en)  
LIQUID CRYSTAL COMPOUND

Title (de)  
FLÜSSIGKRISTALLVERBINDUNG

Title (fr)  
COMPOSE A BASE DE CRISTAUX LIQUIDES

Publication  
**EP 1137737 A1 20011004 (EN)**

Application  
**EP 99954281 A 19991115**

Priority  
• GB 9825628 A 19981123  
• IB 9901831 W 19991115

Abstract (en)  
[origin: WO0031211A1] A compound of formula (I), in which R<1> represents a chiral or non-chiral, branched or straight chain C1-20 alkyl or C1-20 alkenyl, which may be optionally substituted by one or more halogen atoms and in which one or more non-adjacent -CH<sub>2</sub>- groups may be optionally replaced by -CH=CH-, -O-, -CO-, -COO-, -OOC-, -O-OC-O- or -S-; R<2> represents a chiral or non-chiral, branched or straight chain C1-20 alkoxy, C1-20 alkenyloxy, C1-20 alkylcarbonyloxy (alkyl-COO-) or C1-20 alkenyl carbonyloxy (alkenyl-COO-), which may be optionally substituted by one or more halogen atoms and in which one or more non-adjacent -CH<sub>2</sub>- groups may be optionally replaced by -CH=CH-, -O-, -CO-, -COO-, -OOC-, -O-OC-O- or -S-; MG<1> represents a group of formula (Ia):-(A-Z<2>)n-(B-Z<3>)m, in which A and B are each independently a 1,4-phenylene or 1,4-cyclohexylene group, which may each be optionally substituted by halogen, cyano or nitro or a group of formula R<1> and in which one or two non-adjacent -CH- or -CH<sub>2</sub>- groups may be optionally replaced by nitrogen or oxygen respectively; Z<1>, Z<2>, Z<3> independently represent a single bond, -COO- or -OOC-, -CH<sub>2</sub>CH<sub>2</sub>-, -CH=CH-, -CC-, -OCH<sub>2</sub>- or -CH<sub>2</sub>O-; m and n are each independently 0 or 1; and MG<2> represents a 1,4 phenylene group which may be optionally substituted by halogen, cyano or nitro or a group of formula R<1> and in which one or two non-adjacent -CH- groups is replaced by nitrogen is provided. The compound is useful in the preparation of ferroelectric liquid crystal devices.

IPC 1-7  
**C09K 19/34**

IPC 8 full level  
**G02F 1/141** (2006.01); **C07D 405/10** (2006.01); **C09K 19/34** (2006.01); **G02F 1/13** (2006.01)

CPC (source: EP KR)  
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Citation (search report)  
See references of WO 0031211A1

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